

S-E-C-R-E-T/

CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

CD NO.

25X1

COUNTRY East Germany

DATE DISTR. 3 October 1955

SUBJECT Fuel Sample from a Railroad Tank Car Unloaded
at Brandis Airfield

NO. OF PAGES 2

PLACE
ACQUIREDNO. OF ENCLS.
(LISTED BELOW)DATE OF
INFO.SUPPLEMENT TO
REPORT NO.

25X1

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE
OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793
AND 794, OF THE U. S. CODE, AS AMENDED. ITS TRANSMISSION OR REVEL-
ATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON
IS PROHIBITED BY LAW THE REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION 25X1

~~SECRET~~

25X1

In early June 1955, a fuel sample was obtained from a railroad tank car
which had been unloaded at Brandis airfield. The origin of the contents
of the tank car could not be determined.

Comment. A qualitative analysis was conducted which, however, did not
offer any clue as to what type of basic crude oil had been used for the
distillation of the fuel in question. Judging by the low aromates contents,
the low sulphur contents, the relatively high aniline point,
it may be assumed that a basic crude oil has been used. The
analysis furthermore discloses that the product cannot be classified
according to any of the generally accepted standards for jet fuel. Its
flash point is too low and its color is beyond the specified limits.
It may be stated that the formula does not apply to any of the conventional
petroleum-refining products.

25X1

The analysis gave the following results:

D15/4	0.7851 = 48,7 API°
Color	pale yellow
Corrosion 3h/100°	negative
Flash point A.P.	29,5° centigrade
Tetraethyl lead content	0
Sulphur content	0.130
Freezing point	below minus 65° centigrade
Aniline point	59,2° centigrade
Aniline gravity constant	6750
Gum	1.4 mgr/100 ml
Aromates	13.5 volume percent

Boiling analysis

Initial boiling temperature	130° centigrade
5 percent	144
10 "	148
20 "	155.5

25X1

25X1

CLASSIFICATION S-E-C-R-E-T

STATE	X	NAVY	X	NSRB															
ARMY	X	AIR	X	FBI															

SECRET

25X1

- 2 -

30 percent	162
40 "	169
50 "	177
60 "	185
70 "	195
80 "	206
90 "	222
95 "	239

Final boiling temperature	256
Output percentage	98.5
Loss	0

25X1

SECRET

25X1